AMENDMENTS TO THE CLAIMS:

The following listing of claims will replace all prior versions and listings of claims in the application.

Claim 1 (currently amended) A process for the production of a cellular composite consisting ~~essentially~~ of:

(A) preparing a mixture consisting ~~essentially~~ of (1) a polyisocyanate and (2) water;

(B) adding the mixture formed in (A) to (3) an inorganic component consisting of inorganic hollow microspheres under low shear mixing;

(C) completely filling a mold with the mixture formed in (B);

and

(D) heating the filled mold at a temperature of from 100 to 280°C; thereby reacting the polyisocyanate and water to form a polyurea which binds the hollow microspheres, thus forming a cellular composite.

Claim 2 (canceled)

Claim 3 (canceled)

Claim 4 (original) The process of Claim 1, wherein (D) said heating is at a temperature of from 125 to 150°C.

Claim 5 (original) The process of Claim 1, wherein (B)(3) said inorganic hollow microspheres are selected from the group consisting of glass, silicates, boro-silicates, ceramic, fly-ash and mixtures thereof.

Claim 6 (original) The process of Claim 1, wherein (A)(1) said polyisocyanate is characterized by an NCO group content of from 25 to 35% by

weight, and a functionality of from 2.0 to 3.5, a viscosity of less than about 500 mPa·s at 25°C, and is selected from the group consisting of aromatic polyisocyanates, and adducts and mixtures thereof.

Claim 7 (original) The process of Claim 1, wherein (A)(2) said water is present in an amount such that there is an excess of from 2 to 5 times the stoichiometric quantity required based on the NCO group content of (A)(1) said polyisocyanate.

Claim 8 (original) The process of Claim 1, wherein (D) said heating continues from 0.5 to 60 minutes.

Claim 9 (original) A cellular composite produced by the process of Claim 1.

Claim 10 (new) A process for the production of a cellular composite consisting essentially of:

(A) preparing a mixture consisting essentially of (1) a polyisocyanate and (2) water, wherein said polyisocyanate consists of a polymethylene poly(phenylisocyanate) having a NCO group content of 29 to 33% by weight and a functionality of 2.0 to 3.0;

(B) adding the mixture formed in (A) to (3) inorganic hollow microspheres under low shear mixing;

(C) completely filling a mold with the mixture formed in (B); and

(D) heating the filled mold at a temperature of from 100 to 280°C; thereby reacting the polyisocyanate and water to form a polyurea which binds the hollow microspheres, thus forming a cellular composite.